

Product Information

PCM15

Highly Reflective Polycarbonate

	Characteristics	Excellent reflectivity, coat-free, high toughness.		
	Applications	LED taillight frame and reflective bowl.		
Properties (23℃)	Typical Value ^[1]	Unit	Test Method	
Mechanical				
Tensile Stress	55	MPa	ISO 527	
Tensile Strain	55	%	ISO 527	
Flexural Stress	90	MPa	ISO 178	
Flexural Modulus	2300	MPa	ISO 178	
Izod Impact Strength (Notched)	40	kJ/m ²	ISO 180	
Thermal				
HDT (1.8MPa, 120℃/h)	118	℃	ISO 75	
Vicat Softening Temperature , B50	143	℃	ISO 306	
Other				
Density	1.27	g/cm ³	ISO 1183	
Surface Resistivity	1E13	Ohm	IEC 60093	
Flammability	HB	Class	UL-94	
Fogging Characteristics	16.1	µg/g	UV50181	
Reflectivity	96	%	ASTM E1104	
Mold Shrinkage (MD)	0.4	%	ISO 294	
Mold Shrinkage (TD)	0.6	%	ISO 294	
Molding Process ^[2]				
Drying Condition	Temperature		120-140℃	
	Time		4-6h	
Mold Temperature	30-80℃			
Barrel Temperature	Nozzle	Front	Middle	Rear
	260-280℃	270-290℃	260-280℃	240-260℃

Note: [1] These figures are only intended as a guide and should not be used in preparing specifications.

[2] The molding process is only for reference and can be adjusted according to different models and products.